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December.16.2025

To

The Member Secretary
Jharkhand State Pollution Control Board
T.A Building, HEC Campus, P.O. Dhurwa
Ranchi, Jharkhand - 834004

Sub: Directions under Section 18(1)(b) of the Water (Prevention and Control of Pollution) Act, 1974 & Air (Prevention and Control of Pollution) Act, 1981 in case of M/s Brahmaputra Metallics Limited, Kamta, Ramgarh, Jharkhand

WHEREAS, amongst others, under Section 17 of the Water (Prevention and Control of Pollution) Act, 1974, one of the functions of the State Pollution Control Boards (SPCBs) and Pollution Control Committees (PCCs), constituted under the Water (Prevention and Control of Pollution) Act, 1974, is to plan a comprehensive program for prevention, control and abatement of pollution of streams and wells located in the State/U.T. and to secure the execution thereof; and

WHEREAS, amongst others, under section 16 of the Water (Prevention and Control of Pollution) Act, 1974, one of the functions of the Central Pollution Control Board (CPCB), constituted under Water (Prevention and Control of Pollution) Act, 1974 is to coordinate activities of the State Pollution Control Boards and Pollution Control Committees (PCCs) and to provide technical assistance and guidance to SPCBs / PCCs; and

WHEREAS, Iron & Steel manufacturing units are required to install water pollution control equipments so as to comply with the effluent limits, as notified under the Environment (Protection) Rules, 1986 or the limit prescribed under the consent conditions issued by the State Board under water Act, 1974, whichever is stringent; and

WHEREAS, M/s Brahmaputra Metallics Limited, Kamta, Ramgarh, Jharkhand, has been inspected by a team of CPCB RD, Kolkata, on 17.07.2025, under the environmental surveillance of 17 categories of high pollution potential industries and common facilities based on OCEMS data, in order to verify the environmental compliance and the status of OCEMS.

The salient observations based on the examination of the inspection report are as follows :

1. M/s Brahmaputra Metallics Limited is permitted to produce Sponge Iron (1,05,000 TPA), Billets (2,00,000 TPA), Captive Power (20 MW), and Fly Ash Bricks (24,00,000 bricks per annum).
2. Stack monitoring was carried out in Stack-2, attached to the WHRB of the DRI kiln.The concentration of particulate matter (PM) **was found to be non- complying, i.e., 157 mg/Nm^3 against the prescribed national standard of 100 mg/Nm^3**. Further, it has been observed that **the PM emission limit prescribed in the CTO (150 mg/Nm^3) is more relaxed than the emission standard notified by MoEF&CC (100 mg/Nm^3). A**

significant deviation in PM concentration was also observed between the CEMS data (51 mg/Nm^3) and the manually monitoring results (157 mg/Nm^3).

3. The **ladders** provided on each stack were **found to be in poor condition**, posing **safety and accessibility concerns.**
4. The unit has been prescribed in the CTO to maintain the process effluent in a closed circuit. However, it was observed that a flow meter has been installed only at ETP-II, and the same **is not installed at the appropriate location.** Further, **flow meters and cameras have not been installed and connected at the drains of ETP-I and ETP-II** in accordance with the CPCB Guidelines for OCEMS (July 2018).
5. Blowdown water from the DRI unit's cooling tower is being collected and **stored in an unlined pond within the premises, which is not in conformity with the CTO condition "to maintain the process effluent in a closed circuit".**
6. No separate storm water drainage channel has been observed within the plant premises.
7. Hazardous waste generated in the form of used/spent oil is **being utilized for lighting the plant furnace**; however, as per the conditions of the HW authorization, it should be stored in MS drums. The **mode of disposal has not been prescribed in Authorization issued by SPCB.** Further, the unit has **not maintained logbook for quantity of hazardous waste generated.**

WHEREAS, the Central Board, has delegated powers vested under Section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act 1974 to the Member Secretary, Central Pollution Control Board vide its resolution made in 196th Board meeting dated 29th March, 2022 to issue direction under Section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act. 1974 to State Boards; and

NOW, THEREFORE, in exercise of the power conferred under 18 (1) (b) of the Water (Prevention and Control of Pollution) Act, 1974 and Section 18 (1) (b) of the Air (Prevention and Control of Pollution) Act, 1981, Jharkhand State Pollution Control Board (JSPCB) is hereby directed to ensure compliance of the following :

1. The unit shall take corrective measures to ensure compliance of PM emissions of DRI Kiln Stack with the prescribed national standard.
2. The unit shall ensure that the installed OCEMS and CEMS are regularly calibrated and that uninterrupted data connectivity with CPCB and SPCB servers is maintained, in accordance with the CPCB Guidelines for OCEMS (July 2018) and Guidelines for CEMS (August 2018).
3. The unit shall repair/replace the ladders provided on both stacks to comply with safety requirements. Further, a regular inspection and maintenance schedule shall be established and followed to ensure safe access for monitoring activities.
4. The unit shall ensure that the blowdown water from the DRI unit's cooling tower is properly treated and reused in the process, as prescribed in the CTO, "to maintain the process effluent in a closed circuit". Further, the unit shall maintain logbooks for the ETPs, recording details of inflow, treatment, and discharge.
5. The unit shall install camera and flow meter at the outlets of ETP- 1 and ETP- 2 , provided for carrying the effluent within the industry and ensure data connectivity with CPCB & SPCB servers, as per CPCB OCEMS guidelines (July 2018).

6. The unit shall develop and maintain a separate storm water drainage channel within the plant premises to ensure segregation of storm water from industrial effluent. The storm water drainage shall be designed in such a way that no mixing with untreated/treated effluent or other wastewater takes place.

7. The unit shall not use used/spent oil for lighting of furnace. 8. Further, JSPCB is also directed herewith to review and make appropriate amendments in the consents & authorization granted to the unit w.r.t .:

   (i) Enforcement of notified standard of 100 mg/Nm^3 prescribed vide notification.
   (ii) Inclusion of the disposal method for used/spent oil.

JSPCB shall acknowledge the receipt of this direction and submit the action taken report with respect to the above directions to the above to CPCB within 30 days of receipt of this direction.

P. Gupta

(Bharat Kumar Sharma)
Member Secretary

Copy to:

1	The Chairman, Jharkhand State Pollution Control Board, T.A Building, HEC Campus, P.O. Dhurwa, Ranchi, Jharkhand – 834004	For kind information, please.
2	The Director (CP Division), Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Aliganj, Jor Bagh Road, New Delhi – 110003	For kind information, please.
3	The Regional Director, CPCB - Kolkata , South end Conclave' Block-502, 5th & 6th Floor, 1582,Razidanga, Main Road, Kolkata - 700107	For necessary follow up and to ensure compliance, please.
4	The Divisional Head, IT Division, CPCB, Delhi	
5	The Divisional Head - IPC VI, CPCB HO	

(Bharat Kumar Sharma)
Member Secretary